



Utilisation de la microscopie confocale dans l'étude des populations cellulaires des artères temporales au cours de l'artérite à cellules géantes

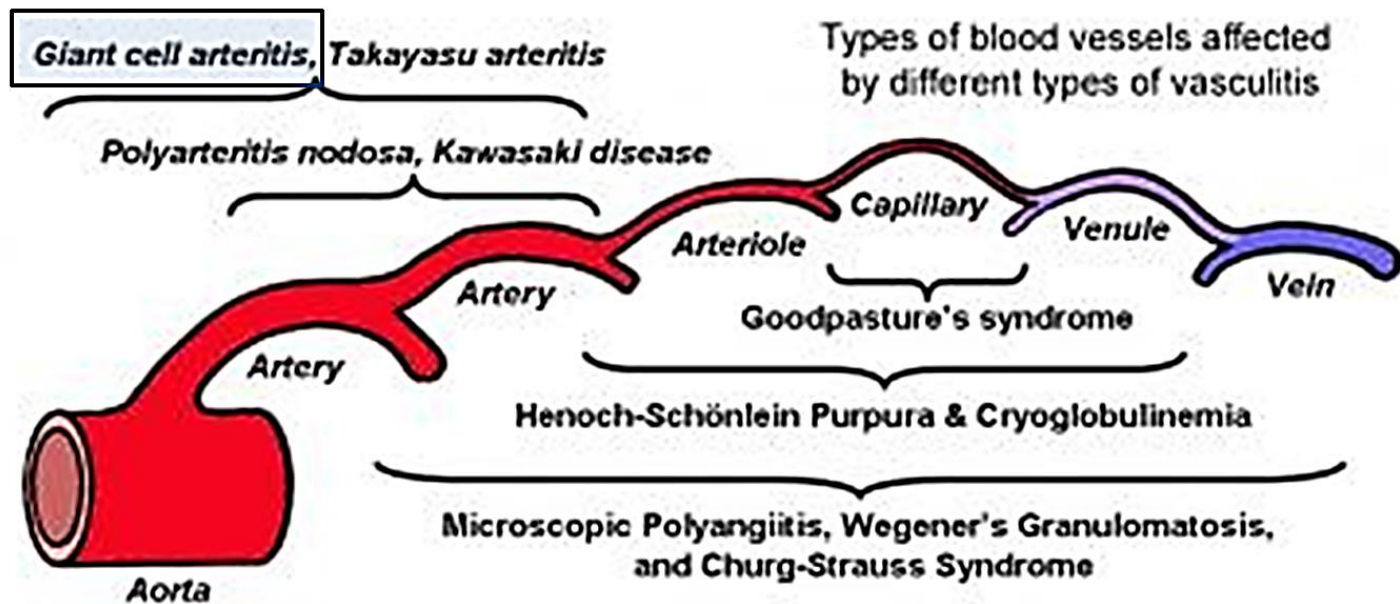
Hélène GREIGERT, André RAMON, Claire GERARD, Bernard BONNOTTE, Maxime SAMSON

**INSERM UMR 1098 Right, Equipe Immunorégulation et Immunopathologie, Université de Bourgogne
Franche-Comté**

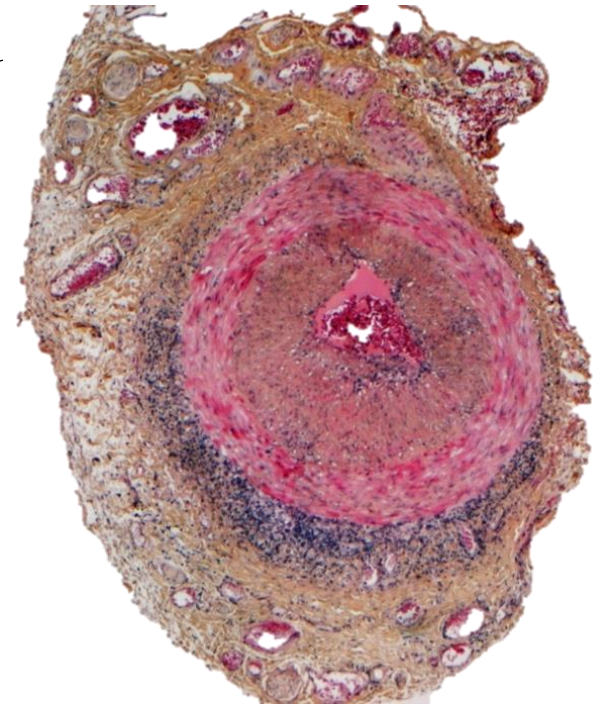
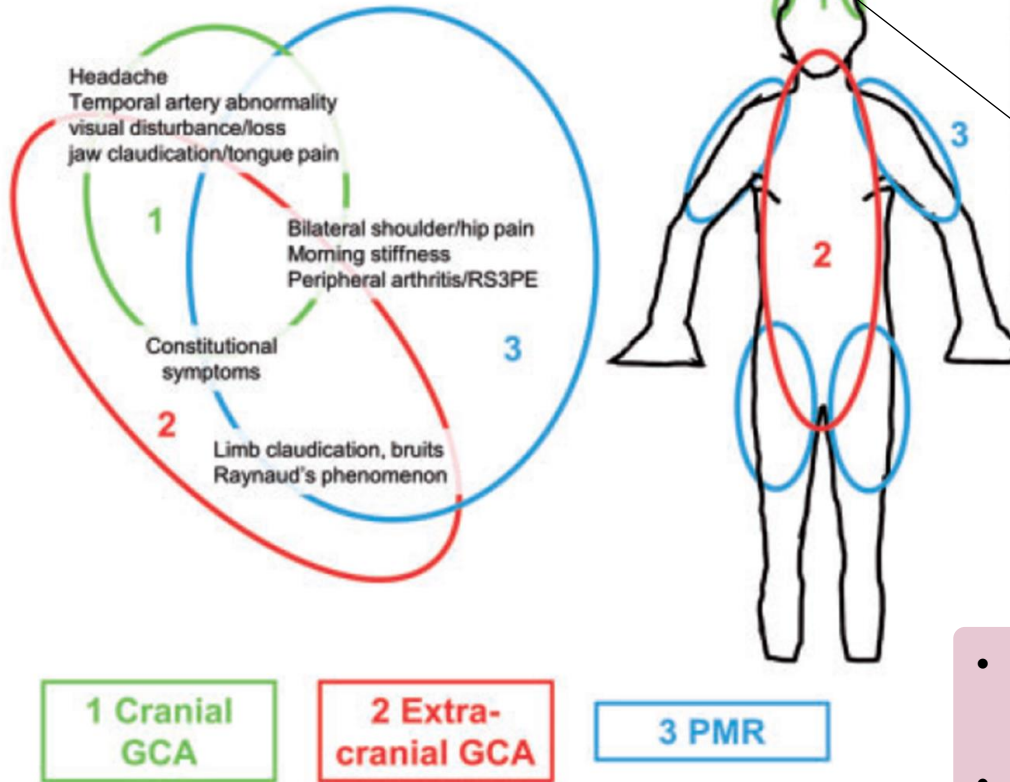
**Colloque AFH
15 Juin 2023**

L'artérite à cellules géantes (ACG)

- vascularite granulomateuse affectant les vaisseaux de gros calibre
- vascularite la plus fréquente de l'adulte
- incidence \nearrow après 50 ans (pic 70 – 80 ans)

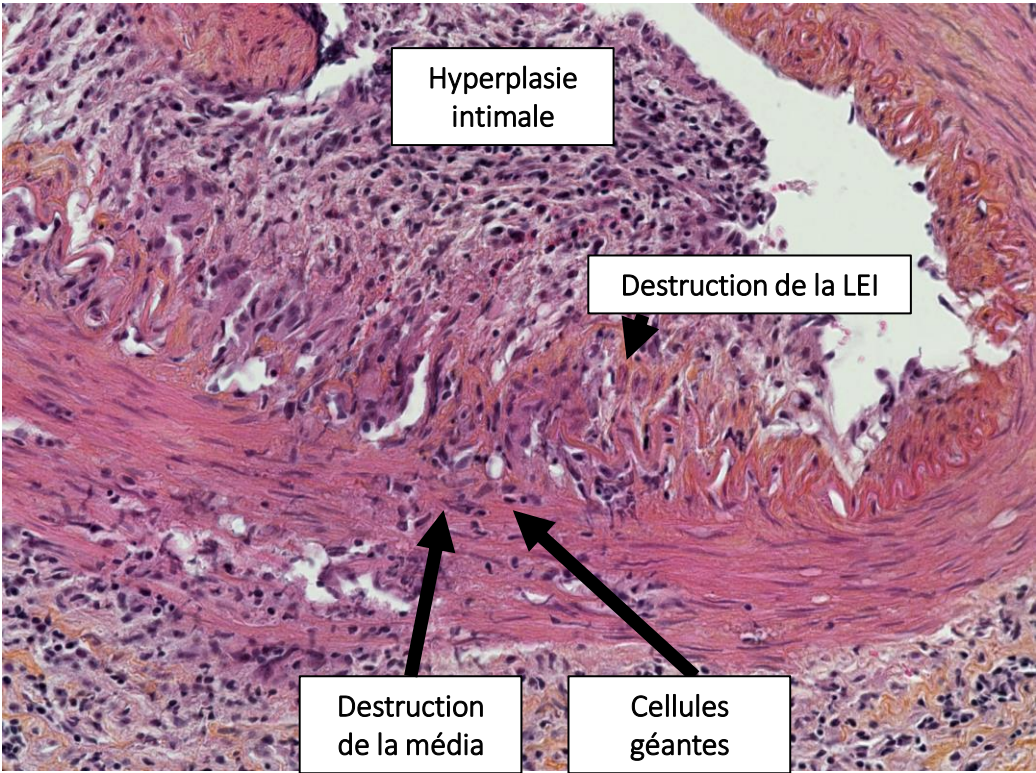
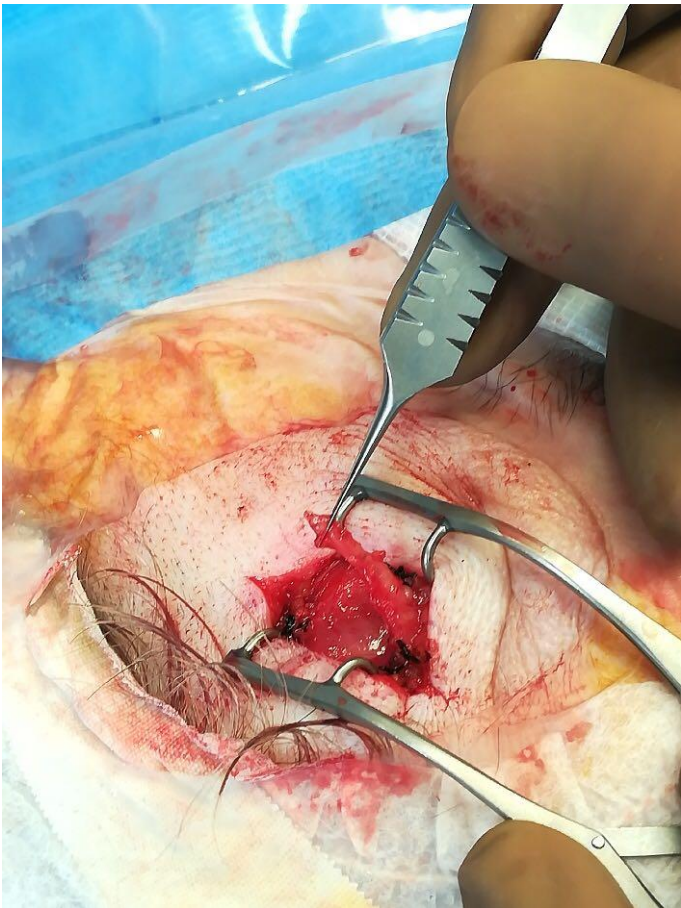


L'artérite à cellules géantes (ACG)



- Réaction inflammatoire systémique → signes inflammatoires (Interleukine-6)
- Remodelage vasculaire → manifestations ischémiques

L'artérite à cellules géantes (ACG)

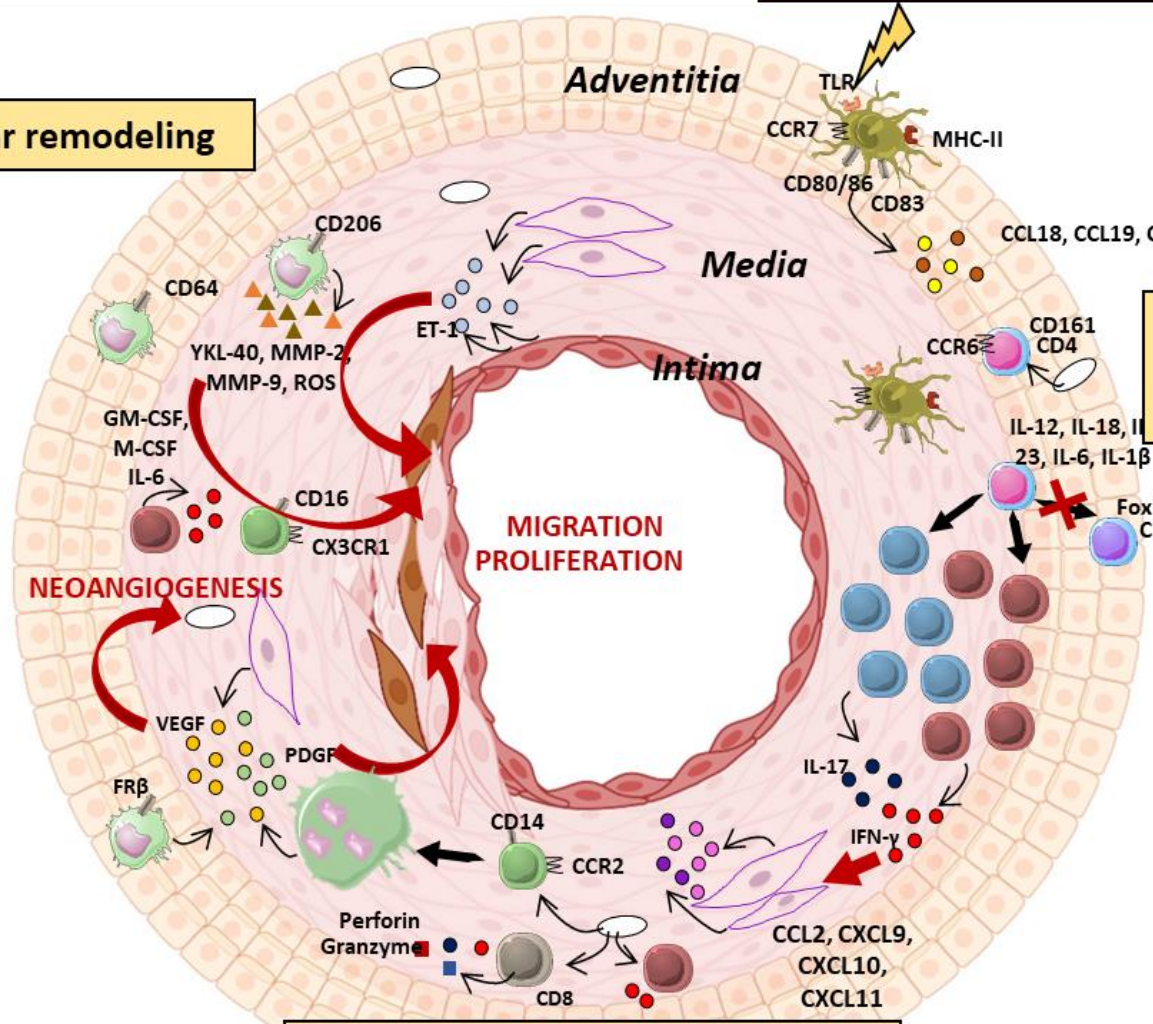


4- Vascular remodeling

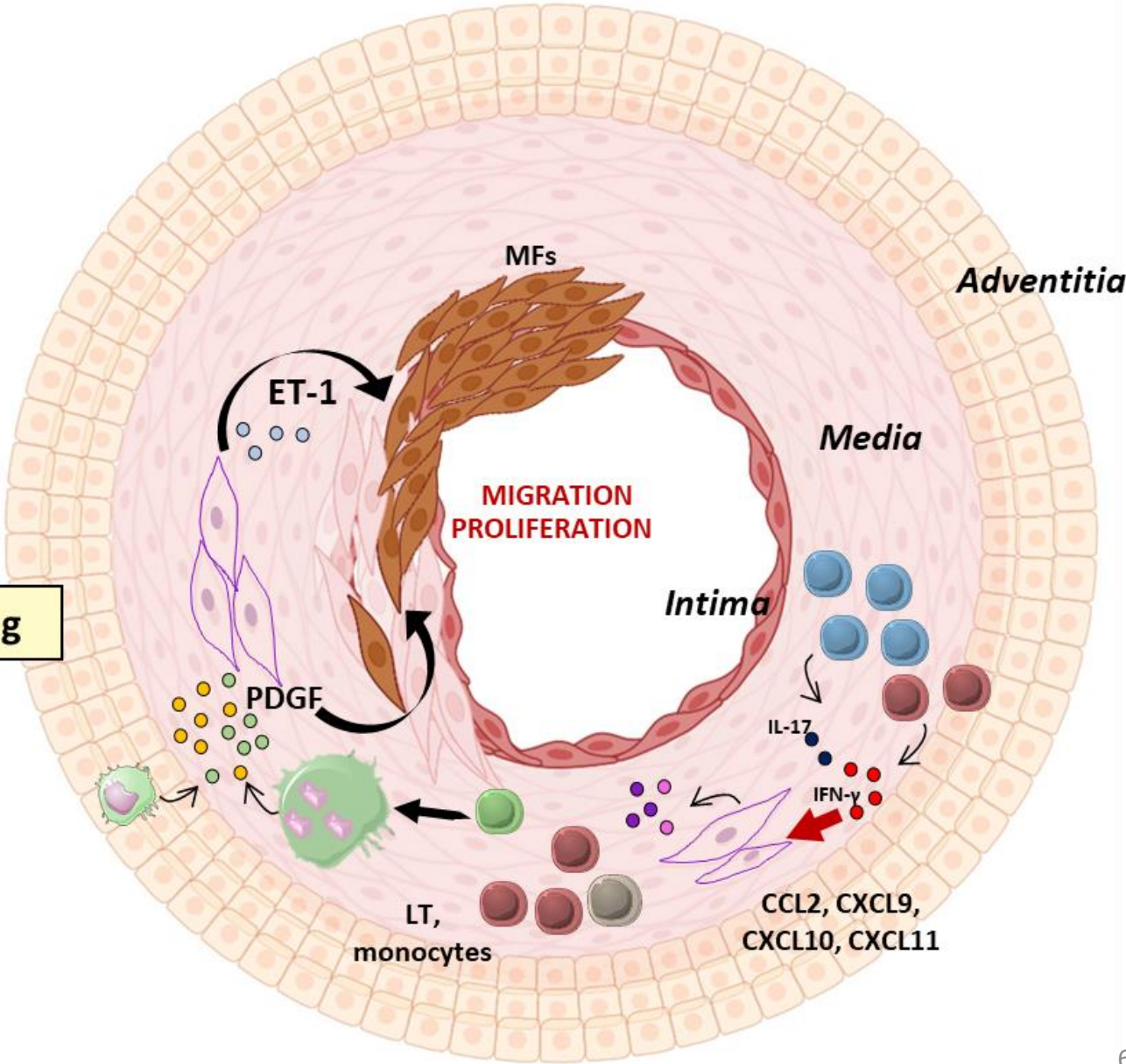
1- Loss tolerance and DC activation

2- Recruitment, activation and polarization of CD4 T cells

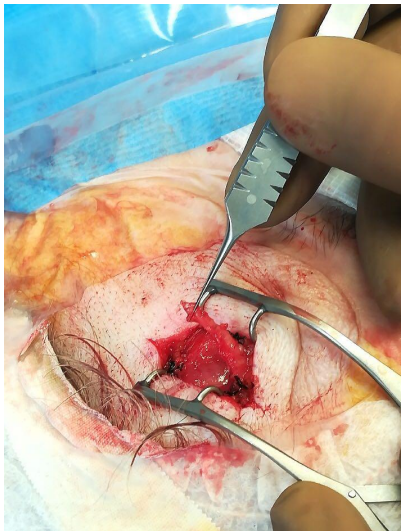
3- Recrutement of CD8 T cells and monocytes



Vascular remodeling



Analyse des biopsies d'artères temporales au microscope à confocale



Fixation : PFA 4%
Saccharose 15% → 30%



Inclusion en OCT
Congélation - 80°C

cryostat



Marquage des lames

PFA 4%

Blocking/perm buffer :

Triton 0,1%, donkey

serum 5%, BSA 1%

Primaires (12h)

Secondaires (1h)

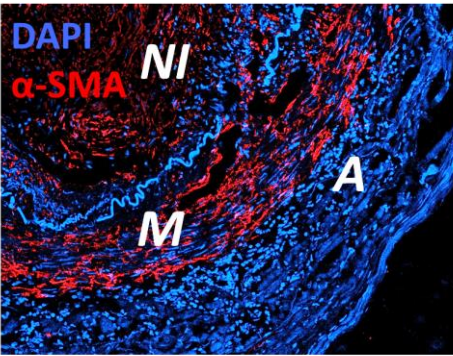
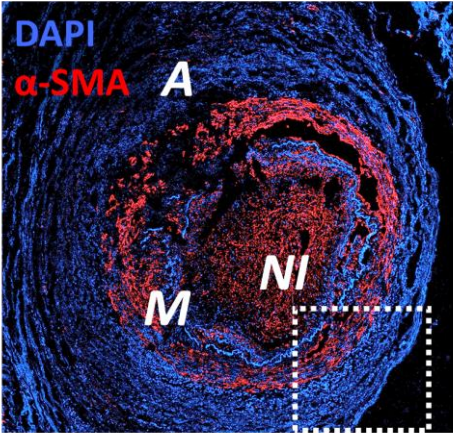
Montage (DAPI)



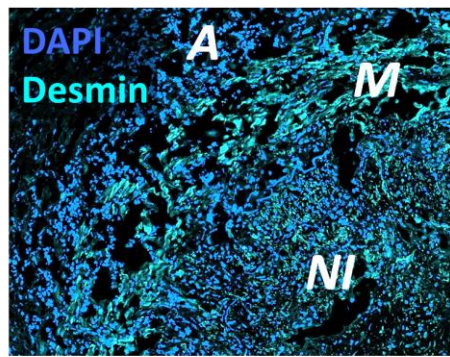
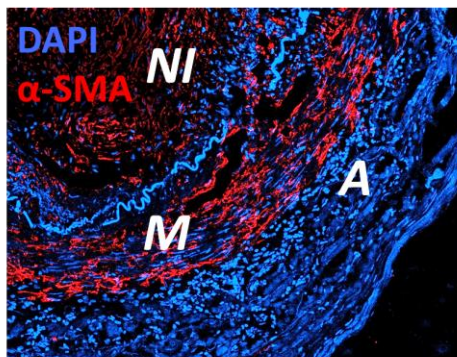
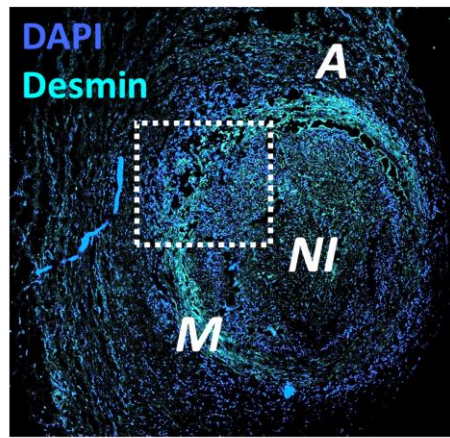
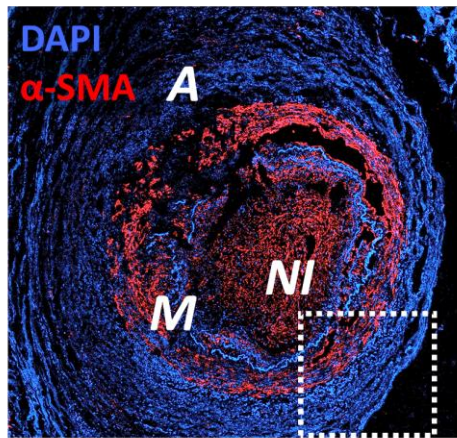
Leica TCS SP8



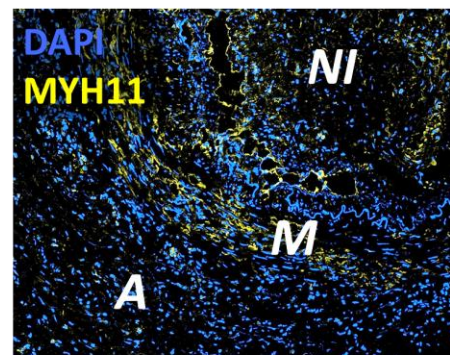
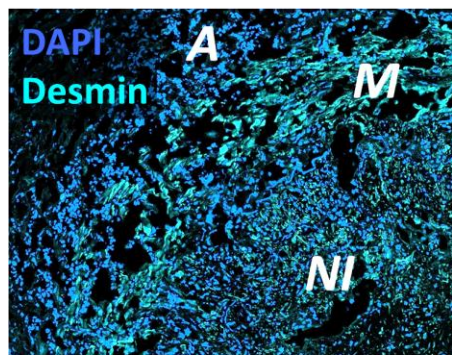
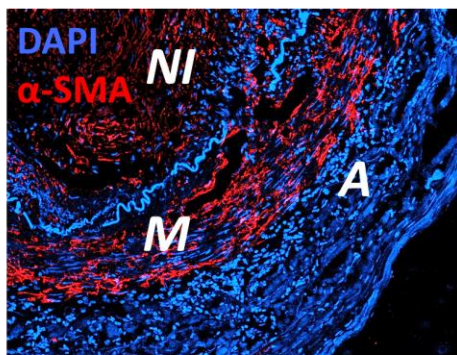
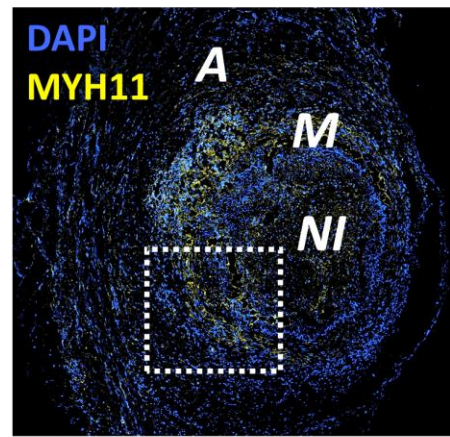
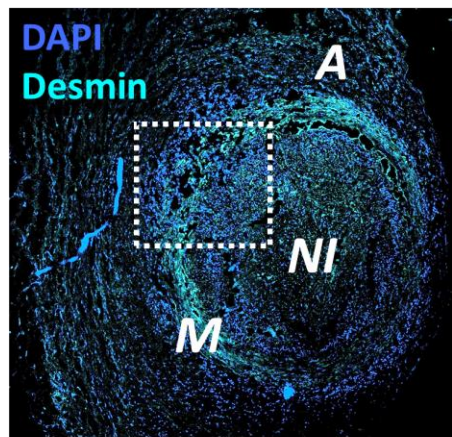
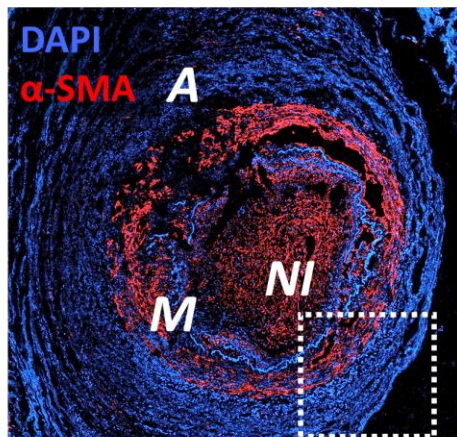
Analyse des biopsies d'artères temporales au microscope à confocale

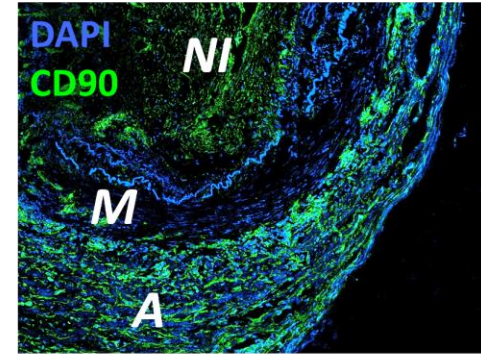
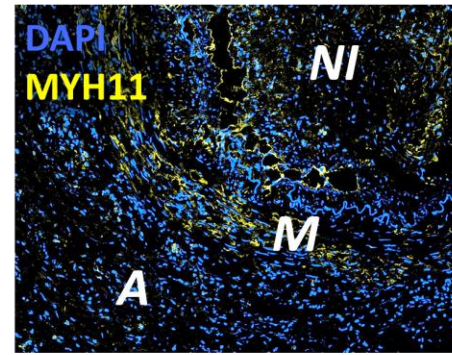
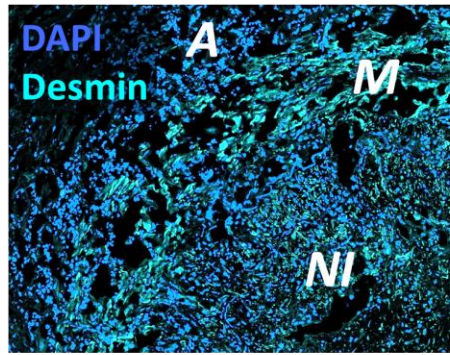
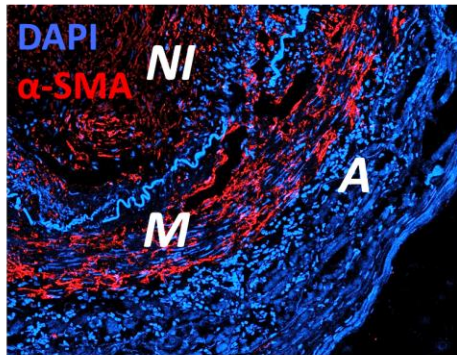
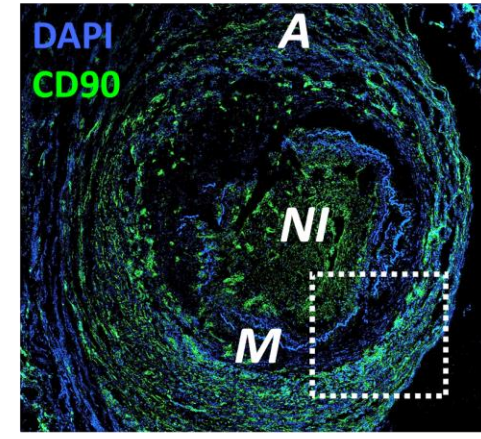
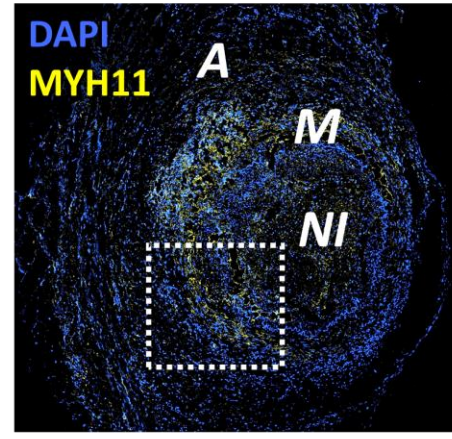
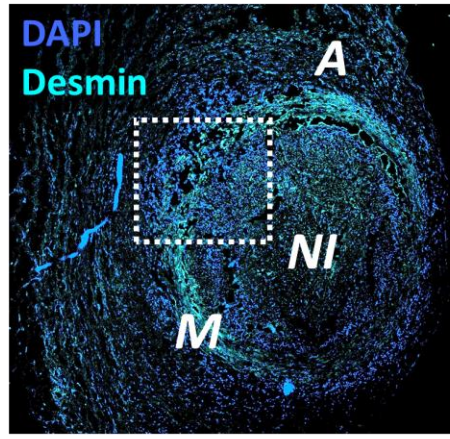
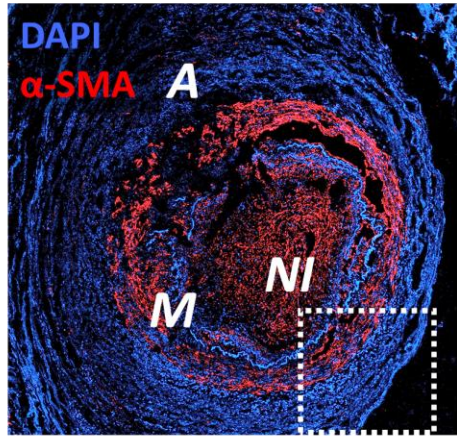


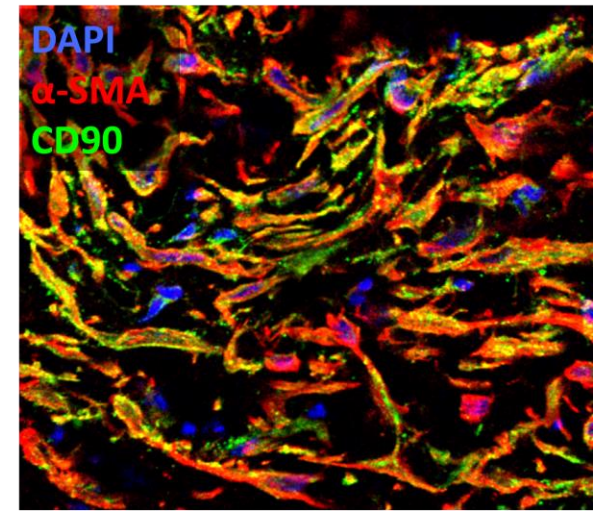
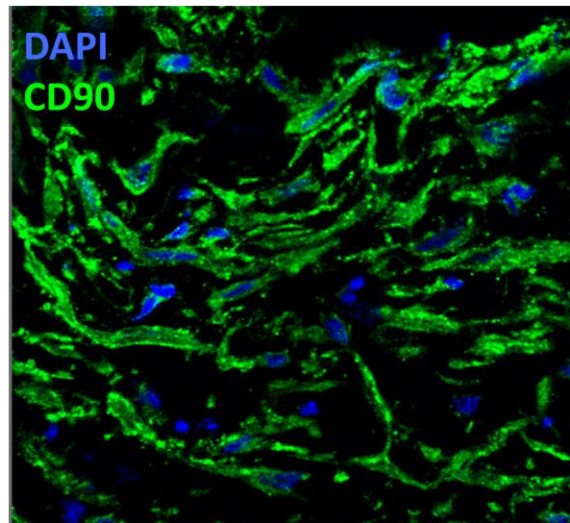
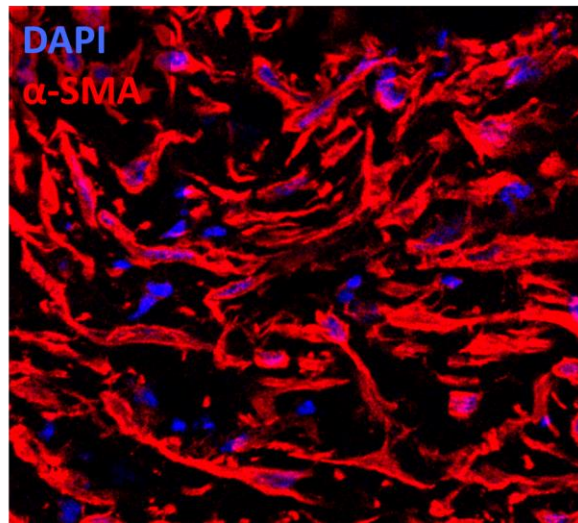
Analyse des biopsies d'artères temporales au microscope à confocale



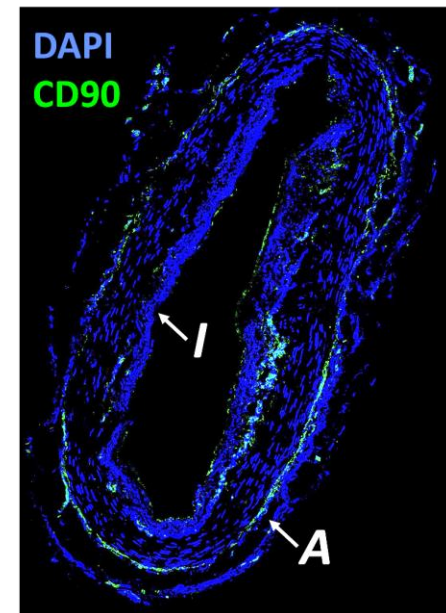
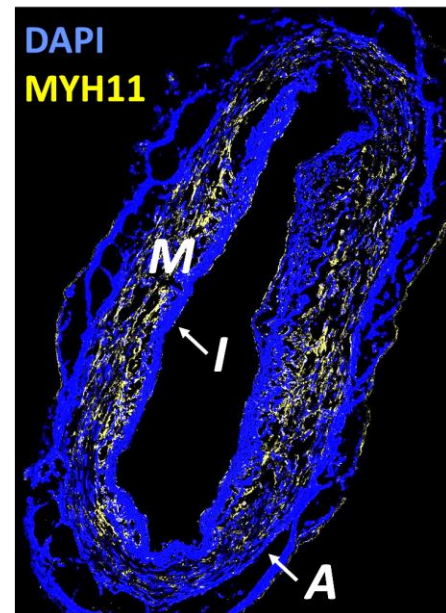
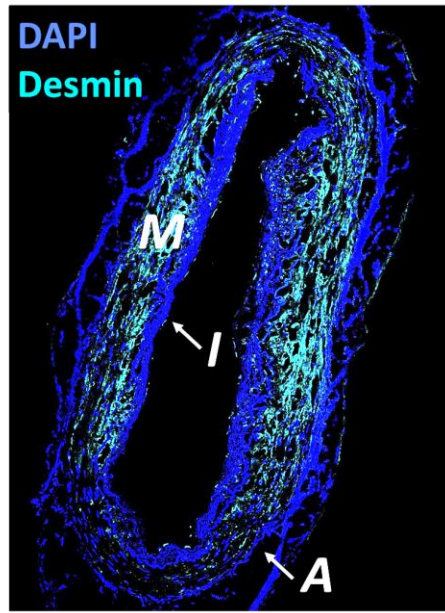
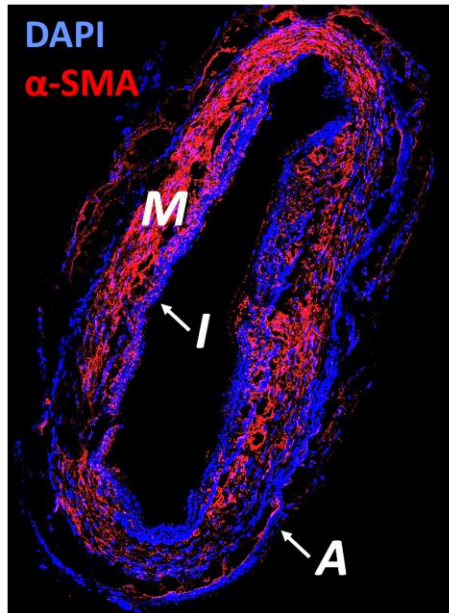
Analyse des biopsies d'artères temporales au microscope à confocale



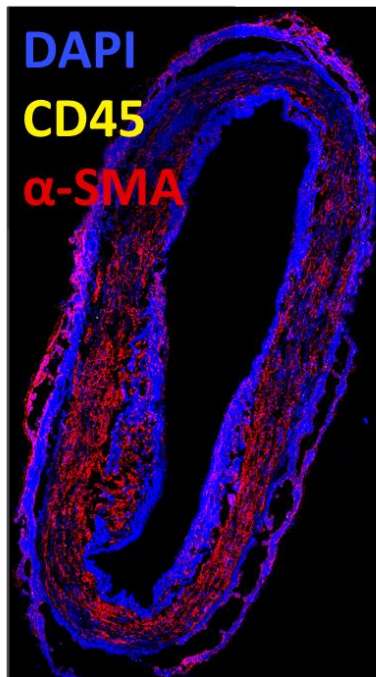




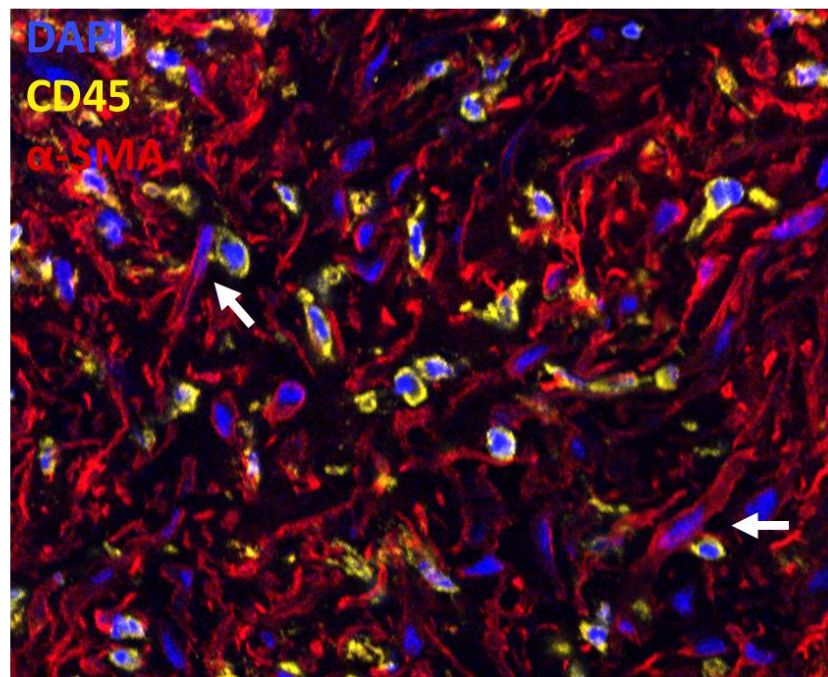
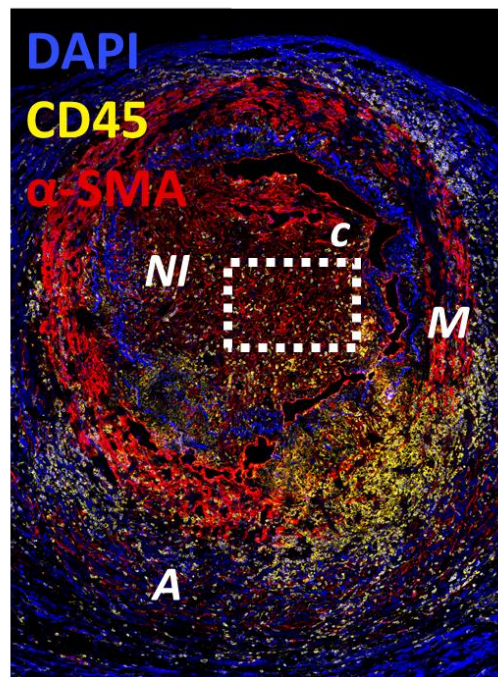
Analyse des biopsies d'artères temporales au microscope à confocale



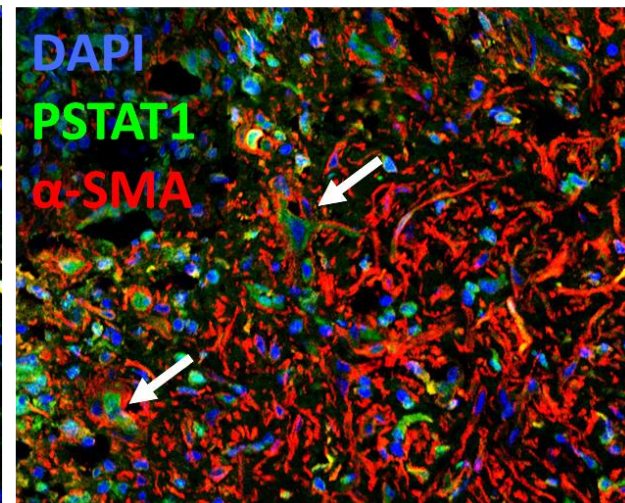
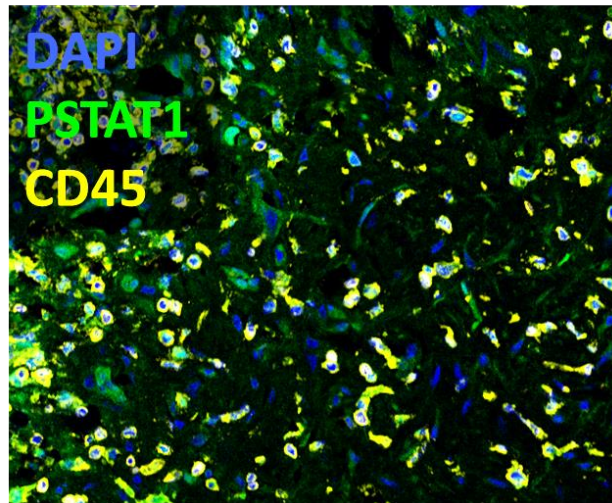
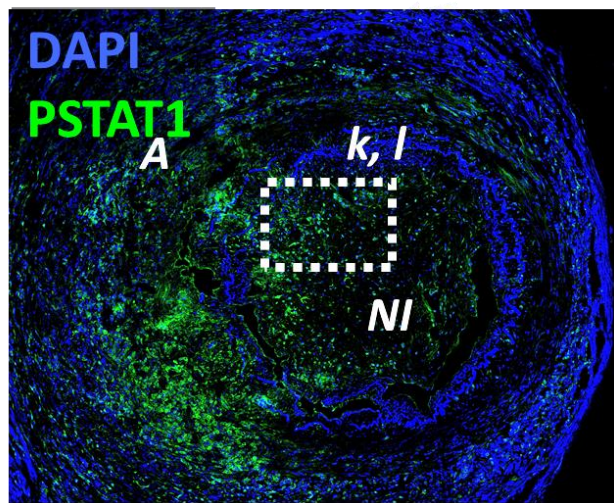
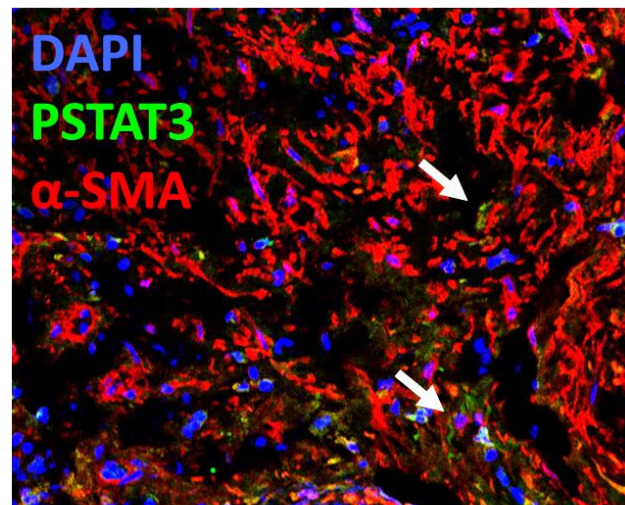
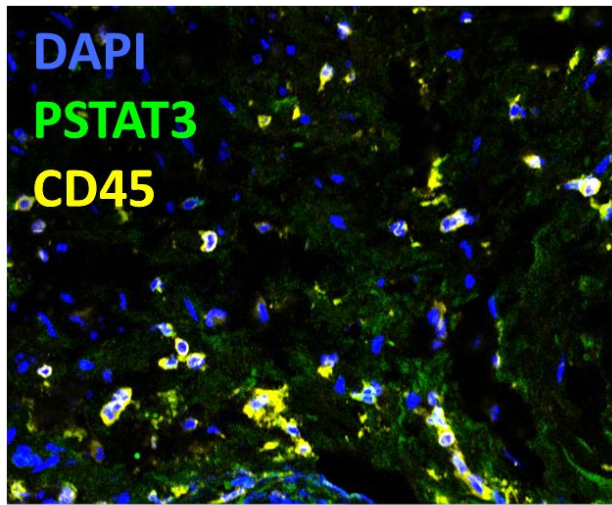
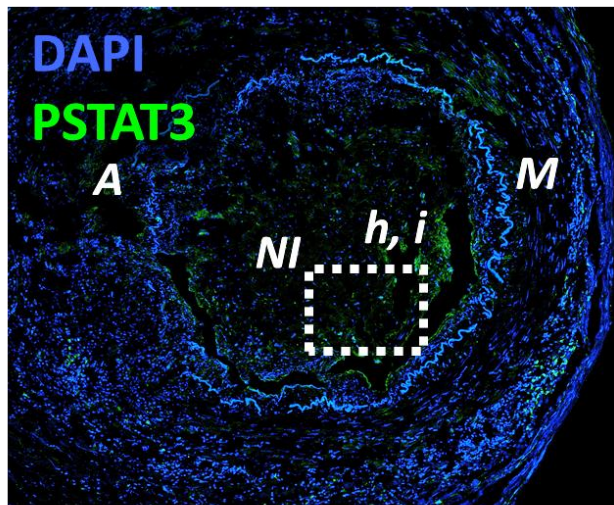
Healthy artery

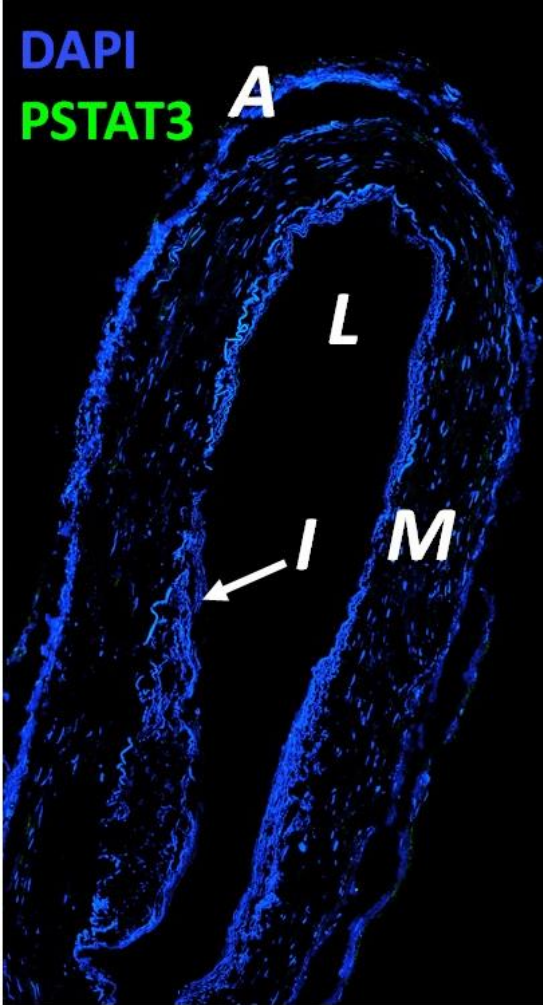
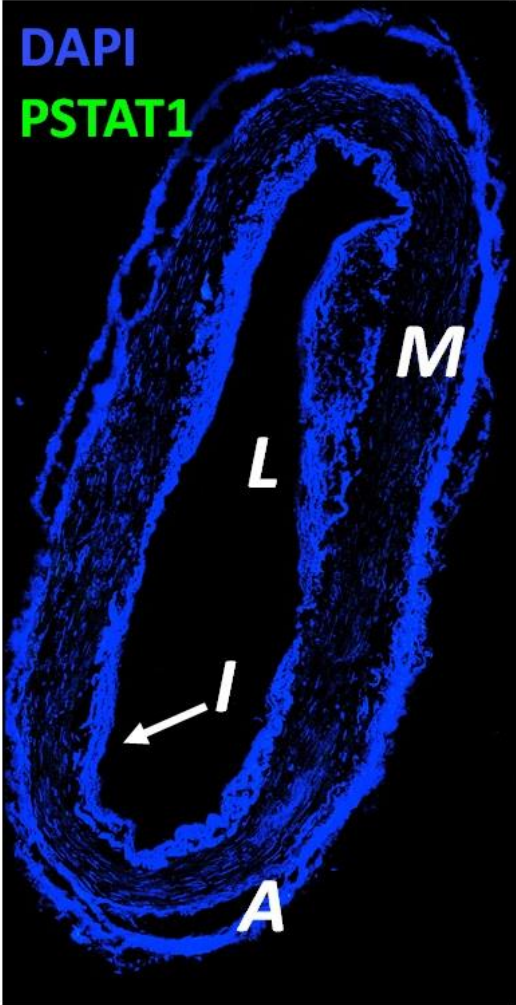


GCA artery

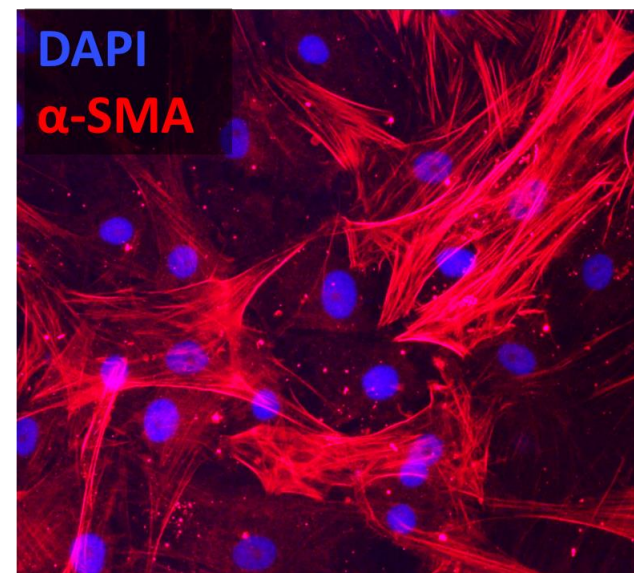
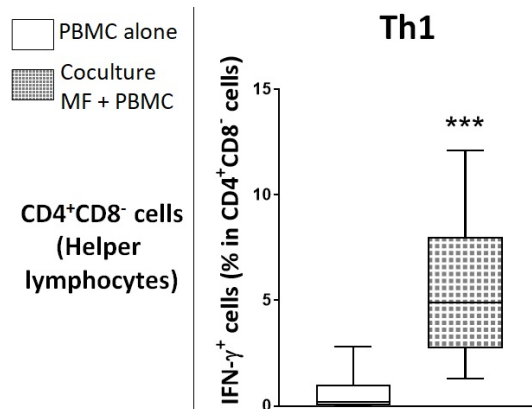
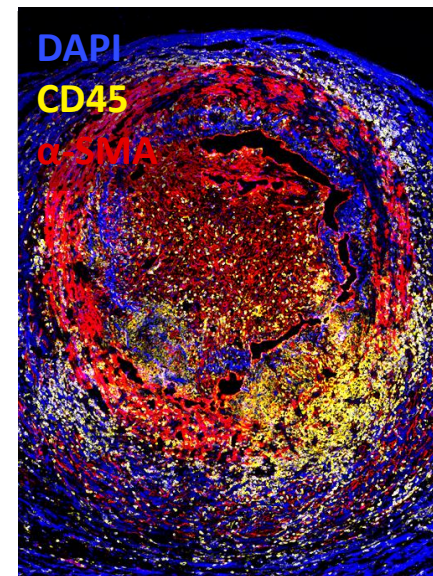
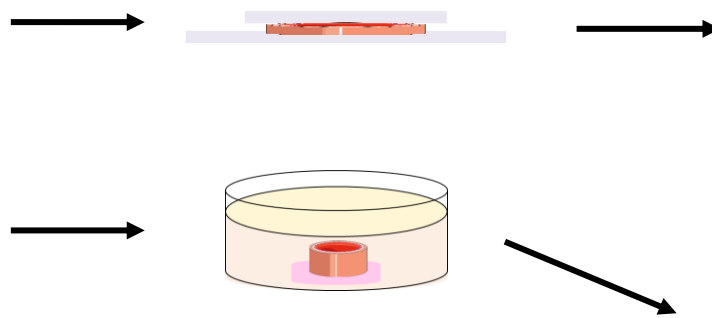
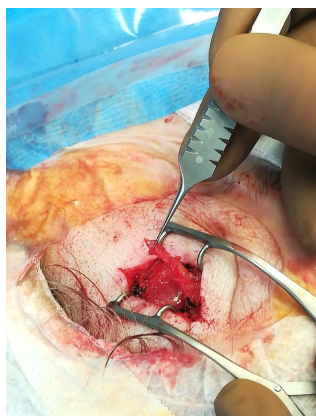


Analyse des biopsies d'artères temporales au microscope à confocale





Analyse des biopsies d'artères temporales au microscope à confocale



MERCI

